

Science Vision Map

Year 6 – Evolution and inheritance

Crucial Knowledge

- A fossil is a left-over part of a plant or animal trapped and protected in the Earth's crust (rock).
- Fossils tell us lots of information about the history of life on Earth even from millions of years ago.
- Offspring (babies) inherit characteristics from their parents.
- Inherit means 'receive something from someone'. In science, it means to receive something from your parents about your body, such as eye or hair colour.
- There are always shared characteristics within a group.
- Over millions of years, environments change which cause changes to animal's behaviours and characteristics.
- Natural selection is the idea that living things survive over time because they are best suited to their environment.
- Evolution is the idea that all living things which exist today developed from earlier types.

Intent

- Recap – Rocks (Year 3) and Materials (Year 5)
- Fossils as sources of information
- Mary Anning's discoveries
- Living things change over time
- Offspring: shared characteristics and variations
- Impact of environments
- Adaptation
- Alfred Wallace: environmental pressures
- Charles Darwin: competition between individuals
- Natural selection
- Evolution